

EAHCP 2013 Water Quality Monitoring Report

Appendices Outline

Appendix A – Spring Hydrographs

Stream Flow (cfs) of Comal and San Marcos Rivers (Raw Data Plots for April - November 2013)

Appendix B – Real Time Water Quality Instruments Records

Turbidity, Conductivity, pH, Temperature, Dissolved Oxygen

Raw Data Plots

- Comal Spring 7: September 10th – November 2013
- Comal Spring Run 3: April 11th – November 2013
- Comal River below confluence with Dry Comal: May 30th – November 2013
- San Marcos River at University Drive: May 30th – November 2013
- San Marcos River at Rio Vista Park: May 30th – November 2013

Tables of daily maximum, minimum, and monthly averages of maximum and minimum values

- San Marcos River at University Drive: May 30th – November 2013
- San Marcos River at Rio Vista Park: May 30th – November 2013
- Comal Spring 7: September 10th – November 2013
- Comal Spring Run 3: April 11th – November 2013
- Comal River below confluence with Dry Comal: May 30th – November 2013

Appendix C – Analytical Results

Collection of all lab reports and field data collected by sample type and sampling event for Comal and San Marcos Springs

- Table of field parameters
- Edwards Aquifer Authority field sheets – Sample date, time, location, and field parameters (i.e. temperature, pH, conductivity, dissolved oxygen, and turbidity). Note that there are no field parameters for sediment samples collected
- TestAmerica analytical reports – VOCs, SVOCs, Organochlorine pesticides, PCBs, Organophosphorus pesticides, Herbicides, Selected metals, GWQP, Phosphorus (total), TOC, DOC, and TKN. Note that sediment samples were not analyzed for bacteria, TSS, TDS, or TKN
- San Antonio River Authority analytical reports – Bacteria counts (E. Coli)

Appendix D – Analytical Data Validation Discussion

Quality Assurance/Quality Control discussions by sample type, date, location, sample name, and analytical method to address specific data validation issues

- Surface Water/Base Flow samples collected April 15-16, 2013 and May 21, 2013 Comal and San Marcos Springs
- Surface Water/Base Flow samples collected October 7-9, 2013 Comal and San Marcos Springs
- Storm Water samples collected July 15, 2013 Comal Springs
- Storm Water samples collected August 15-16, 2013 San Marcos Springs
- Storm Water samples collected October 13, 2013 Comal Springs
- Storm Water samples collected October 31, 2013 San Marcos Springs
- Storm Water samples collected November 1, 2013 San Marcos Springs
- Sediment samples collected June 10-13, 2013 Comal and San Marcos Springs

Appendix E – Sample Record

Sample collection record by spring complex and sample type (date, time, latitude and longitude, and location name)

Appendix F – Photographs

- Equipment Fabrication
- Training
- Sample Collection
- Real Time Water Quality Instruments

Appendix G – Discussion of Deviations

Comal Springs and San Marcos Springs Surface Water, Sediment, and Storm Water sample collection point deviations

Appendix H – Record of Storm Water Sampling

Comal Springs and San Marcos Springs record of sample collection events cancelled and storm events resulting in successful sample collection

Appendix I – Edwards Aquifer Authority 2012 Hydrologic Data Report**Appendix J – Edwards Aquifer Habitat Conservation Plan (EAHCP) Workplan****Appendix K – Edwards Aquifer Authority Ground Water Quality Monitoring Plan**